

## **ABSTRACT OF THE DISCLOSURE**

In a power supply apparatus that is so configured as to produce from an input voltage an output voltage  $V_o$  within a predetermined permissible variation range, the output voltage  $V_o$  is so controlled as to decrease within the permissible variation range as the output current  $I_o$  increases. This configuration offers an output voltage with an improved transient characteristic against an abrupt variation in the output current and simultaneously permits reduction of the power consumed when the output current increases